

CLAIM AMENDMENTS:

1. (currently amended) An object tilt and fall detection apparatus for detecting the tilt and fall of an object using a disk body which rolls in accordance with the tilt of the object, characterized in comprising:

a cover member having a deformable recessed portion for positioning and storing the disk body, the cover member releasing the disk body from the recessed portion when the recessed portion is deformed such that the disk body moves to a position where the disk body rolls in accordance with the tilt of the object; and

timer means for starting time measurement, stopping the time measurement in accordance with the rolling of the disk body, and displaying the time at which the measurement is stopped.

2. (original) The object tilt and fall detection apparatus according to claim 1, characterized in that the timer means comprises:

a display device for displaying time;

a measurement start switch for transmitting a time measurement start signal;

a measurement stop switch for transmitting a time measurement stop signal; and

a controller for starting the time measurement on the basis of the measurement start signal from the measurement start switch, stopping the

time measurement on the basis of the measurement stop signal from the measurement stop switch, and causing the display device to display a measurement stop time.

3. (original) The object tilt and fall detection apparatus according to claim 2, characterized in that the measurement stop switch comprises:

a first switch lead having a contact terminal formed on a tip end thereof;
and

a second switch lead having a movable terminal formed on a tip end thereof, the movable terminal contacting the contact terminal elastically through contact caused by the rolling of the disk body.

4. (currently amended) An object tilt and fall detection apparatus for detecting the tilt and fall of an object using a conductive disk body which rolls in accordance with the tilt of the object, characterized in comprising:

a removable temporary locking pin for restraining the movement of the disk body when fitted into the disk body and releasing the restriction on the disk body when removed from the disk body; and

timer means comprising at least:

a display device for displaying time;

a measurement start switch for transmitting a time measurement start signal;

a measurement stop switch constituted by a printed wiring pattern group comprising at least a pair of printed wiring patterns opposing each other at a predetermined interval without intersecting, for transmitting a time measurement stop signal by short-circuiting electrically when contacted slidingly by the conductive disk body; and

a controller for starting the time measurement on the basis of the measurement start signal from the measurement start switch, stopping the time measurement on the basis of the measurement stop signal from the measurement stop switch, and causing the display device to display a measurement stop time.

5. (original) The object tilt and fall detection apparatus according to claim 4, characterized in that the printed wiring pattern group is formed in a meandering, substantially reverse C shape.